Date: 26.04.2023

No. SH/PMC/BBMP/ BD / / 2023-24

To,
The Executive Engineer
Byatarayanapura Division,
Bruhat Bangalore Mahanagara Palike,

Dear Sir,

Sub: Package No. 02- (Consistsof 5 works Improvements to Roads and Drains of Nethajinagara and Surrounding areas in Ward no: 07 Bytarayanapura.

In reference to the above subject, this is to bring to your kind notice that we have scrutinized the **5th and Final bill** submitted by **M/s Sri Venkateshwara Constructions, Prop . Sri Sambashiva** towards the above said work and arrived at an amount of **Rs** 1,24,53,797.86 /-(**Rupees One Crore Twenty four lakhs Fifty Three thousand Seven hundred and ninty seven Rupees Eighty six paise only**). This work has been completed satisfactorily.

This is for your kind information.

Thank you and assuring you the best of our Services at all the times

For M/s Shiprama Consulting Engineers Pvt Ltd Bangalore

SHIPRAMA Consulting Engineers Pvt. Ltd. Bengalore

DIRECTOR

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Name of the work: Package No. 02- (Consistsof 5 works) Improvements to Roads and Drains of Nethajinagara and Surrounding areas in Ward no: 07 Bytarayanapura.

Contractor/Agency : M/s Sri Venkateshwara Constructions, Prop . Sri Sambashiva

Name of the Client : BBMP

Estimated Cost : 1000.00 Lakhs

Status of Bill :5th and Final Bill.

In the Presence of

:(a) Assistant Engineer,
BBMP, Bangalore.

:(b) Rohith K N Engineer
M/s Shiprama Consulting Engineers Pvt Ltd Bangalore.

Item No.	Description of Item	Comments/observation
1	Removing & Resetting of foothpath slab/drain slab	Work done up to the billed quantity and quality is satisfactory
2	Removing and resetting of Kerbs Stones.	Work done up to the billed quantity and quality is satisfactory
3	Earth work excavation by manual means for drains,canals and similar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, arricading, caution stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Page No. 7/ Item No. 1.4.1/ PWD SR 2021-22 (Vol-I)	Work done up to the billed quantity and quality is satisfactory
4	Providing precast slab of 100 mm thick including cost of all materials,labour, curing,transportation,loading unloading,etc.,complete as per the direction of engineer in charge Data Rate	Work done up to the billed quantity and quality is satisfactory

5	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as directed by the Engineer in Charge of the work (Approved Rate)	Work done up to the billed quantity and quality is satisfactory
9	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work ((V-I, P.No-8, I No-1.12 of PWD SR 2021-22)	Work done up to the billed quantity and quality is satisfactory
17	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Page No. 24/ Item No. 4.27/ PWD SR 2021-22 (Vol-III).	Work done up to the billed quantity and quality is satisfactory
18	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means. (P.No.29 It.No.5.1, PWD SR 2021-22 (Vol-III))	Work done up to the billed quantity and quality is satisfactory
20	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects.(Grade-II) (Pg:33, It.No-5.12 C PWD SR:2021-22 (Vol-III))	Work done up to the billed quantity and quality is satisfactory
19	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom (P.No.29 It.No.5.3, PWD SR 2021-22 (Vol-III))	Work done up to the billed quantity and quality is satisfactory

21	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using Crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respec (Pg:36, It.No-5.16 C PWD SR:2021-22 (Vol-III))	Work done up to the billed quantity and quality is satisfactory
22	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes. Page No. 57/ Item No. 8.15 PWD SR 2021-22 (Vol-III).	Work done up to the billed quantity and quality is satisfactory
23	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Page No. 15/ Item No. 2.1.1/ PWD SR 2021-22 (Vol-I).	Work done up to the billed quantity and quality is satisfactory
24	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work. Page No. 138/ Item No. 20.29/ PWD SR 2021-22 (Vol-III).	Work done up to the billed quantity and quality is satisfactory
25	Cost of Haulage Excluding Loading and Unloading Taking output 25 t load and lead 10 km = 250 t.km (Vol-III) Page No.3, Item No.1.4C of PWD SR 2021-22	Work done up to the billed quantity and quality is satisfactory

Eirl-1	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour, rolling, water, all materials, usage& all other appurtenaces required to complete the work. ((V-I, P.No-7, I No-1.8 of PWD SR 2021-22)	Work done up to the billed quantity and quality is satisfactory

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DIRECTOR